

Appendix A1.

Marine Protected Area Questionnaire

(including cover sheet memo) developed by the Washington MPA Work Group and distributed in the winter of 1995/96 to contacts at three state agencies and one federal agency.

**STATE OF WASHINGTON
DEPARTMENT OF FISH AND WILDLIFE
MARINE RESOURCES DIVISION**

December 19, 1995

TO:

FROM:

SUBJECT: MARINE PROTECTED AREAS QUESTIONNAIRE

Attached are copies of the questionnaire concerning marine protected areas in Washington. Please fill out one copy for each marine protected area and return the questionnaires to me by January 12, 1996.

The definition the committee has chosen for marine protected areas includes the following characteristics:

The area under protection is subtidal or intertidal (up to extreme high water)

The area is "marine":

This includes Puget Sound but not river areas above the saltwater wedge

Human activities are restricted for protection of natural or historic resources

The restriction may be found in:

federal law, RCWs or WACs, land-use designation, and/or title restrictions

Resources protected include any of the following:

fish, wildlife, plants, other natural resources and/or archeological sites

The intention of the agency is to provide long-term protection

Requests to fill out this form is being sent to a select group of agencies initially (DNR, Parks and Recreation, WDFW and USFWS). We will be surveying other agencies and private sources later.

Comments on the process and the survey are welcome. If you have questions, please call (360 902-2834). I appreciate everyone's assistance in this survey.

Enclosures

Appendix A1, continued.

PLEASE RETURN COMPLETED FORM BY JANUARY 12, 1996 TO:

Mary Lou Mills (360 902-2834), FAX (360 902-2944)
Washington Department of Fish and Wildlife
600 Capitol Way North, Olympia Washington 98501-1091

Use one copy of this form for each Marine Protected Area (MPA) your organization owns or operates. Cross-reference responses that relate to multiple areas. Enclose a map, please, showing the location and boundaries of each MPA.

1. Person completing form:

1a. Name _____ Phone _____

1b. Agency: _____

1c. Address: _____

2. Name of the MPA: _____

3. Organization which established the MPA: _____

3a. Has the beach or bedland owner designated the area an MPA? Yes _____ No _____

4. MPA contact (if different from person completing form):

Name _____ Phone _____

5. MPA Location:

5a. County _____

5b. Vicinity (landmarks, water body, etc) _____

5c. Latitude _____

Longitude _____

5d. _____ Quarter of Section _____, Township _____, Range _____

6. Size of MPA:

6a: Acres above MHHW _____ 6b. Acres below MHHW _____

6c. Linear feet of beach: _____

6d. Width (linear feet) between MHHW and MLLW _____

7. Establishment of the MPA (Please attach copies of pertinent documents):

7a. Was this MPA established by:

Land Use Designation _____ Restrictions on activities _____ Both _____

7b. RCW #: _____ 7c. WAC #: _____

7d. Agency Policy: _____

7e. Date MPA was established: _____

8. Purpose for which the MPA was established:

8a. Education _____ Comments _____

8b. Research _____ Comments _____

8c. Recreation _____ Comments _____

8d. Species protection _____ Comments _____

8e. Ecological Preserve _____ Comments _____

Appendix A1, continued.

9. Management:

9a. Is the MPA operated by the organization that owns it? Yes____ No____

9b. If NO, who operates the MPA _____

9c. Is there a management plan for the MPA? Yes____ No____

PLEASE ENCLOSE A COPY OF THE MANAGEMENT PLAN.

9d. Is there an on-site manager? Yes____ No____

Name _____ Phone _____

10. Was any modification of habitat or manipulation of resources performed to make the MPA perform its intended function? Check: Yes____ No____

Habitat modified (If yes was checked above, please check all that apply):

10a. Vegetation removed or added? Yes____ No____

Type? _____

10b. Animal Population changed? Yes____ No____

How? _____

10c. Physical characteristics of the site altered? Yes____ No____

How? _____

11. What kind of human activities are restricted within the site:

11a. Fishing____ Describe restrictions _____

11b. Hunting____ Describe restrictions _____

11c. Collecting artifacts____ Describe restrictions _____

11d. How are these restrictions enforced? (Check all that apply)

(1) WACs or RCWs enforced by commissioned officers _____

(2) Administrative actions against violators _____

(3) Provisions in the title to the land _____

(4) No trespassing on the site _____

(5) Signage on the site _____

(6) Other (Please Describe): _____

11e. Is enforcement adequate (how do you know)? _____

12. How well has the MPA performed its intended purpose? What is the basis for this evaluation? _____

Appendix A2.

MPA Site Questionnaire

developed in the fall of 1996, and distributed to approximately 8 willing participants

Marine Protected Area Site Questionnaire for the Inland Sea Region of Washington State

Thank you for helping to identify and profile the protected areas of Washington's inland sea region. The information you provide will be compiled into a background report on MPAs of the region. Please mail or fax your completed questionnaire to the following contact:

Mike Murray
407 W. Galer Street
Seattle, WA 98119

Tel: (206) 526-4293
Fax: (206) 526-4294
E-mail: mmurray@igc.apc.org

Thank you for your assistance!

1. About You

- A. Name: _____
- B. Agency/Organization: _____
- C. Address: _____
- D. Phone: _____
- E. Fax: _____
- F. E-mail: _____

2. Basic Site Information

- A. Name of the site: _____
- B. Type of designation: _____
- C. Date of designation or establishment: _____
- D. Agency/Organization(s) that established the MPA: _____
- E. Agency/Organization(s) that manage the MPA: _____

3. Location of the Site*

*If unsure of details, please note alternate person or documentation to refer to.

- A. County: _____
- B. Location/Vicinity description: _____
- C. Latitude: _____ D. Longitude: _____
- E. Quarter: _____ F. Lot(s): _____
- G. Section(s) _____
- H. Township(s): _____ I. Range: _____
- J. MPA adjacent or overlapping with other protected areas? (yes / no) Name of other sites: _____
- K. Do you have a map of the site? (yes / no)
- L. Could you send a detailed map? (yes / no)

Appendix A2, continued

4. Boundaries and Size of the Site*

*If unsure of details, please note alternate person or documentation to refer to.

A. Is there GIS mapping data available for this site? (yes / no)

B. GIS contact name/phone: _____

C. Total Acres: _____

D. Upland Acres (above MHHW): _____

E. Intertidal Acres: _____

F. Subtidal Acres (below MLLW): _____

G. Linear Feet of Beach/Shoreline: _____

H. The intertidal boundary of the site (if applicable) is the line of:

- ☐ Extreme High Tide
- ☐ Mean Higher High Water
- ☐ Mean High Water
- ☐ Ordinary High Water
- ☐ Govt Meander Line
- ☐ Ordinary Low Water
- ☐ Mean Low Tide
- ☐ Mean Lower Low Water
- ☐ Extreme Low Tide
- ☐ Other: _____

5. MPA Purpose and Objectives

A. General objectives/area of emphasis:

In the spaces next to each applicable management objective, please enter one of the following:

- 1 for primary objectives
- 2 for secondary objectives
- 3 for potentially applicable objectives
- X for non-applicable objectives

	AREA OF FOCUS		
	<u>Upland/ Terrestrial</u>	<u>Intertidal</u>	<u>Marine</u>
Scientific research.....	_____	_____	_____
Wilderness protection.....	_____	_____	_____
Preservation of species and genetic diversity.....	_____	_____	_____
Maintenance of environmental services.....	_____	_____	_____
Protection of specific natural/cultural features.....	_____	_____	_____
Recreation/tourism.....	_____	_____	_____
Education.....	_____	_____	_____
Sustainable use of natural resources.....	_____	_____	_____
Maintenance of cultural/traditional attributes.....	_____	_____	_____
Other -- Please describe: _____	_____	_____	_____

6. Legal Jurisdiction/Authority

A. What are the applicable laws for the MPA?

RCW #s _____

WAC #s _____

Agency policy # (if applicable) _____

Federal laws _____

Local ordinance _____

Appendix A2, continued

7. Management

A. Is there a management plan for the MPA?

(yes / no / pending)

If yes, could you please enclose a copy? (thanks!).

B. Please check and describe the human activity restrictions and enforcement approaches that pertain to marine resource/ecosystem protection at the site:

☐ Public access restrictions Method(s) of enforcement:_____

Please describe restriction:_____

☐ Recreational fishing Method(s) of enforcement:_____

Please describe restriction:_____

☐ Commercial fishing Method(s) of enforcement:_____

Please describe restriction Describe:_____

☐ Recreational shellfishing Method(s) of enforcement:_____

Please describe restriction:_____

☐ Commercial shellfishing Method(s) of enforcement:_____

Please describe restriction:_____

☐ Hunting Method(s) of enforcement:_____

Please describe restriction:_____

☐ Collection of biota Method(s) of enforcement:_____

Please describe restriction:_____

☐ Other restrictions: Method(s) of enforcement:_____

Please describe restrictions:_____

Appendix A2, continued

- C. What is the status of on-site management/supervision? Please complete the following table of information:

Affiliation, Title, and Number of On-Site Staff	Frequency of Visit/Season	Primary Duties
<i>Sample entry: State Parks boat-based Ranger (1)</i>	<i>Weekly in summer; Bi-monthly all other times</i>	<i>Maintenance of facilities, Enforcement public education/interaction</i>
<i>Sample entry: Student Volunteer(2-3)</i>	<i>Weekly in summer</i>	<i>Public education/outreach Maintenance</i>

8. Performance of the MPA

- A. **Success Factors.** Please indicate the importance and status of the following factors for meeting MPA objectives:

	Critical to success (Y/N)	Status (S=sufficient I=Insufficient)	Comments
Size of MPA.....	___	___	_____
Buffer Areas.....	___	___	_____
Zoning within the MPA.....	___	___	_____
On site boundary demarcation	___	___	_____
Monitoring.....	___	___	_____
Research.....	___	___	_____
Public involvement and education/interpretation..	___	___	_____
Coordination among government agencies.....	___	___	_____
Enforcement.....	___	___	_____

Appendix A2, continued.

A. Success Factors, continued

	Critical to success (Y/N)	Status (S=sufficient I=Insufficient)	Comments
Control of resource threats within boundaries.....	_____	_____	_____
Control of resource threats outside boundaries.....	_____	_____	_____
Resources - staffing.....	_____	_____	_____
Resources - financial.....	_____	_____	_____
Other (please describe below)	_____	_____	_____

B. Site characterization and study (marine and/or intertidal environment):

(1) Have ecological assessments been completed or undertaken to determine the effectiveness of the MPA? (Y / N) If yes, please list applicable documentation/literature: _____

(2) Are monitoring programs in place and active? (Y / N)

(3) Are there active research programs at the site? (Y / N)

(4) Have scientific assessments been made to characterize marine resources? (Y / N) If yes, please list applicable documentation/literature: _____

(5) Have marine resource threats been identified and characterized? (Y / N)

Please list primary threats/issues identified: _____

(6) Are there problems with conflicting uses at the site? (Y / N) Please describe: _____

Appendix A2, continued.

C. *Management objectives:*

- (1) Are current management objectives clearly stated? (Y / N)
- (2) Are management objectives consistent with protection/conservation of marine resources?
(Y / N)
- (3) Do management objectives support identifiable and measurable outcomes? (Y / N)
- (4) How closely are the management plan/objectives carried out at the site?
(closely / somewhat / remotely / not at all)

D. *Legal protection and designation:*

- (1) Is the strength of legal protection sufficient to support objectives? (Y / N)
- (2) Is the specificity of legal protection sufficient to support objectives? (Y / N)
- (3) How secure is the MPA designation? ☐ secure (designation not readily changed/removed)
☐ variable/potentially secure
☐ not secure
☐ unsure or unknown

E. *Partnerships and Coordination:*

- (1) Please indicate and describe the partnership/coordination role of other agencies or groups:

- ☐ State agency(s) Agency/program name: _____
Role of agency: _____
- ☐ Federal agency(s) Agency/program name: _____
Role of agency: _____
- ☐ Tribal governments Tribe name: _____
Role of tribe: _____
- ☐ Non-Governmental organizations Organization name: _____
Role of organization: _____
- ☐ Local government Department/program name: _____
Role of local: _____
- ☐ Private landowners Role of landowner: _____
- ☐ Others? Describe other partners _____
Role of other: _____

- (2) Is there a commitment to public participation in the operation/management of the site? (Y / N)

Appendix A2, continued.

9. Follow Up

- A.** Would you or another contact be available to field additional questions concerning this MPA?

(Y / N) Additional or alternate follow-up contact:_____

- B.** Would you like to receive a copy of the MPA background report? (Y / N)

10. Additional Comments

Please include any additional comments regarding the description or management of the MPA:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface. There is no handwriting or other markings on the paper.

THANK YOU for your assistance with this study!

Appendix B. Matrix of Marine Protected Areas in Puget Sound

This table lists the existing, potential/possible and proposed MPAs identified in this study.

A marine protected area (MPA) refers to: ***Any area of intertidal or subtidal terrain, together with its overlying water and associated flora, fauna, historical and cultural features, which has been reserved by law or other effective means to protect part or all of the enclosed environment (IUCN 1988).***

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Or.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
Category¹: RESEARCH AND EDUCATIONAL MARINE PRESERVES The Research and Educational Marine Preserve category represents sites that have been established with an express purpose of providing opportunity for the study of marine resources in relatively undisturbed settings. Such preserves can provide valuable baseline data for present and future comparisons of protected and unprotected sites. Depending upon the specific resource or ecosystem in need of protection to support research or educational activities, these preserves may or may not be associated with restrictions on harvesting of marine life.																
1	1	Friday Harbor to Point Caution to 500 yards offshore	San Juan Islands Marine Preserve Area	UW FHL; WDFW	1	1990	subtidal & intertidal	Y		Y		N	0		Research preserve; preservation of species/biodiversity.	No take of shellfish, bottomfish or food fish, except herring; and except salmon for commercial purposes.
2	2	Yellow and Low Islands to 300 yards offshore	San Juan Islands Marine Preserve Area	UW FHL; WDFW	2	1990	subtidal & intertidal	Y		Y	0.6 ^a	N	0		Research preserve; preservation of species/biodiversity.	No take of shellfish, bottomfish or food fish, except herring; and except salmon for commercial purposes.
3	3	False Bay to 500 yards offshore	San Juan Islands Marine Preserve Area	UW FHL; WDFW	1	1990	intertidal & subtidal	Y		Y	231 ^a	N	0		Research preserve; preservation of species/biodiversity.	No take of shellfish, bottomfish or food fish, except herring; and except salmon for commercial purposes.
4	4	Argyle Lagoon	San Juan Islands Marine Preserve Area	UW FHL; WDFW	1	1990	subtidal & intertidal	Y		Y	3.4 ^a	N	0		Research preserve; preservation of species/biodiversity.	No take of shellfish, bottomfish or food fish, except herring; and except salmon for commercial purposes.

¹ The MPA categories referenced here do *not* represent official designation types or titles. These categories have been created for use in this study. Section 3.1.2 discusses the development and use of this categorization scheme.

Appendix B, continued																	
#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)	
5	5	SW Shaw Island to 500 yards offshore	San Juan Islands Marine Preserve Area	UW FHL; WDFW	1	1990	subtidal & intertidal	Y		Y		N	0		Research preserve; preservation of species/biodiversity.	No take of shellfish except crab in Parks Bay. No take of bottomfish or food fish, except herring; and except salmon for commercial purposes.	
6		San Juan County & Cypress Island (all salt-waters, beds & shorelines).	Marine Biological Preserve	UW FHL	1	1923	subtidal & intertidal	Y		Y		N	0		Scientific research preserve.	No take of marine biological materials, except for food, kelp, or with permit from the Director of UW Friday Harbor Labs.	
7	7	Padilla Bay	National Estuarine Research Reserve	WA Dept. of Ecology	1	1980	intertidal and subtidal	Y	2,000 +/-	Y	8,000	Y	200 +/-	11,000	Research reserve; monitoring; public education and outreach.	Public access restricted and discouraged in sensitive marsh areas.	
Category: RECREATIONAL MARINE PRESERVES The Recreational Marine Preserve category characterizes sites that are set aside primarily for the non-consumptive use of marine resources in a park-like setting (de Macedo 1995). These sites may often be chosen for their aesthetic or recreational values rather than ecological importance. While many Puget Sound MPAs identified in this study accommodate recreational activities, only two are recognized as being designated with a primary purpose of non-consumptive recreational activities, specifically, scuba diving.																	

8	8	Edmonds Underwater Park / Brackett's Landing	Underwater Park	City of Edmonds	1	1970	subtidal & intertidal	Y	16.8 ^a	Y	8.2 ^a	Y	2	27	Recreational diving site; preservation of species.	City of Edmonds prohibits take of <i>any</i> marine life. In part of the park, WDFW prohibits take of foodfish or shellfish (WAC 220-56-130; 220-20-025). (As of late 1997, a proposal was under consideration to expand the WDFW closed area to match City park boundaries).
9	9	Sund Rock	Marine Preserve Area	WDFW	1	1994	subtidal	Y		Y		N	0		Recreational diving site; preservation of species.	No take of shellfish, except shrimp; no take of food fish, except salmon and trout.

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
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Category: MARINE SPECIES PRESERVES

The Marine Species Preserve category is assigned to those sites which function primarily as tools to help meet species-specific fishery management goals (Washington MPA Work Group 1996). As harvest refugia for specific species, Marine Species Preserves can conserve stocks threatened by overexploitation or destructive fishing practices; help to maintain genetic diversity; protect spawning stock biomass; simplify management and enforcement approaches; provide a baseline to monitor the condition of stocks and the productivity or health of marine ecosystems; and provide insurance against traditional fisheries management failure (Agardy 1994b).

10		Haro Strait	Special Management Fishery Area	WDFW	1	Between 1979 & 1987	subtidal	Y		Y		N	0		Harvest refugia / recruitment areas for sea urchin and sea cucumber; baseline population monitoring and research.	No commercial harvest of sea urchins or sea cucumbers.
11		San Juan & Upright Channel	Special Management Fishery Area	WDFW	1	1972	subtidal	Y		Y		N	0		Harvest refugia / recruitment areas for sea urchin and sea cucumber; baseline population monitoring and research.	No commercial harvest of sea urchins or sea cucumbers.

12	12	Point Lawrence	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	136.4	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no-take of bottom fish.
13	13	Bell Island	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	27.3	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no-take of bottom fish.
14	14	Charles Island	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	54.5	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no-take of bottom fish.
15	15	Pile Point	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	54.5	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no-take of bottom fish.
16	16	Deadman Bay	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	54.5	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no-take of bottom fish.

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
17	17	Kellett Bluff	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	72.8	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no- take of bottom fish.
18	18	Gull Rock	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	54.5	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no- take of bottom fish.
19	19	Bare Island	Voluntary No-Take Bottom Fish Recovery Area	San Juan County	1	1997	subtidal	Y		Y		N	0	72.8	Voluntary harvest refugia for bottom fish to replenish depleted stocks.	No legal protections; voluntary compliance only with requested no- take of bottom fish.

Category: MARINE HABITAT/NATURE PRESERVES

The Marine Habitat/Nature Preserve category represents those sites that exist primarily to preserve assemblages of flora and fauna within an ecosystem. They are often established to protect outstanding ecosystems and natural features, endangered species, areas of scientific importance or areas representative of particular natural areas (de Macedo 1995; Salm and Clark 1984, 236). They often contain fragile ecosystems or life forms and represent areas of important biological or geological diversity (Salm and Clark 1984). In this study, the sites categorized as Marine Habitat/Nature Preserves have in common a protection of habitat areas rather than a single species focus. Most contain upland and intertidal area, with only a few containing a subtidal components. Most sites facilitate little or no public access, and discourage consumptive activities in their intertidal zones (through legal or proprietary based controls).

20	20	Dabob Bay	Natural Area Preserve	DNR	1	1987	intertidal	N	0	Y		Y		187	Ecosystem/biodiversity protection; limited scientific & educational use.	No public access (except approved research projects and educational activities).
21	21	Kennedy Creek	Natural Area Preserve	DNR	1	1990 apprx	upland	N	0	Y		Y		239	Ecosystem/biodiversity protection; limited scientific & educational use.	No public access (except approved research projects and educational activities).
22	22	Skookum Inlet	Natural Area Preserve	DNR	1	1986	intertidal	N	0	Y	53	Y	21	74	Ecosystem/biodiversity protection; limited scientific & educational use.	No public access (except approved research projects and educational activities).

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
23	See MAP 2b	San Juan Islands (83 rocks, reefs and islands)	National Wildlife Refuge	USFWS	83	1914 thru 1976	upland	N	0	Y ^b		Y		449	Migratory bird and marine mammal protection; wilderness preservation; wildlife habitat preservation.	No public access to all but two sites; 200 yard no access marine buffer encouraged.
24	24	Protection Island	National Wildlife Refuge	WDFW & USFWS	1	1988	upland, intertidal, subtidal	Y ^c		Y ^c		Y	316	659	Migratory bird and marine mammal protection; wildlife habitat preservation.	In marine buffer area ^c of 200 yds. and on uplands, no public access.
25	25	Zella M. Schultz / Protection Island	Seabird Sanctuary	USFWS	1	1975	upland, intertidal, subtidal	Y		Y		Y	48		Preservation of seabird habitat; protection of seabirds and marine mammals.	Per cooperative management agreement with USFWS, no public access to Sanctuary and within 200 yard marine buffer area.
26	26	Tongue Point	Marine Life Sanctuary	Clallam County Parks	1	1989	intertidal and subtidal	Y		Y		N	0		Ecosystem protection for intertidal marine life observation area.	County ordinance: no removal of marine biota from intertidal area (sport fishing OK).
27	27	Yellow Island	Nature Conservancy Preserve	TNC	1	1980	upland	N	0	Y ^d		Y		10	Ecosystem preservation; scientific study; education and observation. Primary focus on upland grasslands.	TNC Preserve rules: no collection of animals or plants; no fishing (while on Preserve property); limited public access.
28	28	Chuckanut Island / Cyrus Gates Memorial Preserve	Nature Conservancy Preserve	TNC	1	1972	upland	N	0	Y		Y		5.2	Ecosystem preservation; scientific study; education and observation.	TNC Preserve rules: no collection of animals or plants; no fishing (while on Preserve property); limited public access.
29	29	Foulweather Bluff	Nature Conservancy Preserve	TNC	1	1966	upland & intertidal	N	0	Y		Y		101.47	Ecosystem preservation; scientific study; education and observation. Wetland and forest emphasis.	TNC Preserve rules: no collection of marine animals or plants; no fishing (while on Preserve property); limited public access.

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
30	30	Goose Island	Nature Conservancy Preserve	TNC	1	1975	upland	N	0	Y ^d		Y		2.72	Ecosystem preservation; scientific study and education. Marine bird breeding habitat focus.	TNC Preserve rules: no public access.
31	31	Deadman Island	Nature Conservancy Preserve	TNC	1	1975	upland	N	0	Y		Y		1.98	Ecosystem preservation; scientific study and education. Marine bird breeding habitat focus.	TNC Preserve rules: no public access.
32	32	Sentinel Island	Nature Conservancy Preserve	TNC	1	1979	upland	N	0	Y ^d		Y		15	Ecosystem preservation; scientific study and education. Marine bird and intertidal habitat protection.	TNC Preserve rules: no public access.
33	33	Waldron Island	Nature Conservancy Preserve	TNC	1	1968	upland	N	0	Y ^d		Y		271.78	Ecosystem preservation; scientific study; education and observation. Woodland and bird habitat focus.	TNC Preserve rules: no collection of animals or plants; no fishing (while on Preserve property); limited public access to site.
34	34	Lummi Island	Natural Area Preserve	WDFW	1	199?	upland	N	0	Y		Y		800	Habitat protection for 5 priority species, including endangered peregrine falcon.	(While NAPs generally prohibit or discourage public access, this approach is not yet enforced at this site).
35	35	Kimball Preserve, Decatur Island	San Juan Preservation Trust Preserve	SJPT	1	1985	upland	N	0	Y		Y	64		Preservation of the biologic, scenic, and historic heritage of the San Juan Islands; habitat protection for native floral and faunal communi-ties.	No public access to site, including intertidal area (along 330 feet of shoreline owned by SJPT).
36	36	South Puget Sound (at McNeil, Gertrude and Pitt Islands)	Wildlife Area	WDFW	1	1988	upland	N	0	Y		Y		4,575	Provide non-consumptive recreational and educational use opportunities.	Public access to and consumptive uses prohibited on tidelands of McNeil, Pitt and Gertrude Islands.

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
Category: MULTIPLE USE PROTECTED AREAS The establishment of "multiple use" protected areas in the marine environment is a common approach to marine conservation. Multiple use MPAs are often noted as serving multiple objectives, and may facilitate combinations of activities such as research, education, recreation, and consumptive and non-consumptive uses while striving to protect special habitats or resources. Larger multiple use MPAs may be zoned to separate conflicting uses and minimize sensitive area or resource impacts. For this study, the category of Multiple Use Protected Area has been assigned primarily to sites that have set aside area for habitat or species protection, while still facilitating compatible human uses, including the harvest of marine resources. One exception, the Titlow Beach Marine Preserve, prohibits harvest of almost all marine species but is categorized as a multiple use protected area because of its noted dual objectives of supporting research and education as well as providing a recreational dive site.																
37	37	Titlow Beach	Marine Park / Marine Preserve Area	METRO Tacoma	1	1994	subtidal & intertidal	Y		Y	13.4 ^a	Y	0	55.6	Research, monitoring and educational preserve; recreational diving site; preservation of species.	No take of shellfish or food fish, except salmon fishing with artificial lure from shore or non-motorized boat. City of Tacoma METRO prohibits seaweed collection.
38	38	Cypress Island	Natural Resources Conservatio n Area	DNR	1	1987	upland	N	0	Y		Y		3,587	Ecosystem protection; protection of habitat for endangered, threatened and sensitive species; low impact public use; research & education	No specific marine resource protection restrictions. (Pending phase 2 management planning considering increased subtidal resource protections).
39	39	Woodard Bay	Natural Resources Conservatio n Area	DNR	1	1987	upland	N	0	Y		Y		650	Ecosystem protection; protection of habitat for endangered, threatened and sensitive species; low impact public use; research & education.	No access in sensitive intertidal areas; access discouraged at sensitive adjacent subtidal areas.
40	40	Dungeness	National Wildlife Refuge	USFWS	1	1915	upland	N	0	Y		Y		631	Serve as a refuge, preserve and breeding ground for native birds; migratory bird protection; conservation of endangered species; low impact recreation use.	No access to harbor seal area; no windsurfing or jet skis; other off-limit and seasonally closed zones.

Appendix B, continued

#	M A P 2a #	Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
41	41	Nisqually	National Wildlife Refuge	USFWS	1	1974	upland & intertidal	N	0	Y		Y		2,973	Migratory bird protection; wildlife habitat preservation.	(No restrictions on fishing in intertidal/ subtidal areas). Trails keep visitors out of sensitive marsh areas; some access restrictions to river bank fishing areas.
42	42	Skagit	Wildlife Area	WDFW	1	1948 thru 1992	intertidal	N	0	Y		Y		13,000	Preservation, protection and perpetuation of wildlife; habitat preservation, including migratory bird habitat; maximization of compatible wildlife- associated recreational use.	(None at this time. Pending management plan, if approved, may lead to prohibition of commercial clamming).
43- 102	S1- S60	State Park Areas (developed Parks only)	State Parks & Marine State Parks	WSP&R C	60	1915 thru 1995+	upland and intertidal	Y		Y		Y		20,429 +/-	Public recreation; natural features and resource protection and conservation.	No harvest of non- game invertebrates; no algae harvest except at Fort Ebey, Fort Flagler & Fort Worden State Parks.
102	TOTAL MPAs				185	TOTAL Sites										

Appendix B, continued

#		Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
Category: POTENTIAL/POSSIBLE MPAs This category was created for this study to represent those sites which might be considered MPAs, but such determination was questionable due to: (1) lack of available data on the site's marine area boundaries and/or management; or (2) uncertainty as to whether or how the site functions to protect the marine environment or resources. Further study and closer investigation of these sites, beyond the scope of this preliminary assessment, would be necessary to identify all such areas and definitively include or exclude them from a list of MPAs. Section 3.3 further discusses the limits of this study's identification of MPA sites.																
103		Undeveloped State Park Areas	State Parks or Marine State Parks	WSP&R C	37 +/-		upland & intertidal	Y		Y		Y			Potential Multiple Use MPAs.	Marine harvest regulations already in place for State Parks would be applicable (no harvest of non-game invertebrates; no algae harvest — see # 37 above). Potential for additional marine resource protection dependent upon management planning for individual sites.
104		State Underwater Parks	Underwater Recreation Areas and Underwater Natural Areas	WSP&R C	9	1970 thru 1977?	subtidal	Y		?		N	0		Potential Recreational Marine Preserves. Original intended purpose not realized: underwater recreational use with areas closed (U/W Natural Areas) and open (U/W Recreation Areas) to fishing.	
105		Puget Sound Oyster Reserves	Oyster Reserves	WDFW	19	1890 thru 1910	intertidal	N	0	Y	1,003	N	0	1,003	Potential Marine Species Preserves. Olympia oyster and clam production; protection and recovery of Olympia oyster broodstock sources.	Some parcels closed to public harvest for Olympia oyster broodstock production. (Lacking status/confirmation of closure areas).

Appendix B, continued

#		Site Name or Location	Designation Type	Primary Managing Agency or Org.	# Sites	Year of Est.	Predominant Component	Subtidal Y/N	Subtidal Acres	Intertidal Y/N	Intertidal Acres	Upland Y/N	Upland Acres	Total Acres	Primary Purpose/Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
106		Commercially closed salmon areas and salmon preserves	Special fishery management areas	WDFW	31 +/-		subtidal	Y		?		N	0		Potential Marine Species Preserve -- additional information needed. Many of these areas were closed to protect seabirds from fishery operations, or for protection of resident salmon stocks.	Areas closed year-round to commercial harvest of salmon, excepting reef net fishery areas.
107		Commercially closed octopus area (near Tacoma narrows)	Special fishery management area	WDFW	1		subtidal	Y		?		N	0		Potential Marine Species Preserve -- additional information needed regarding purpose of closure.	No commercial harvest of octopus.
108		Commercially closed scallop areas (San Juan Islands)	Special fishery management area	WDFW	4		subtidal	Y		?		N	0		Potential Marine Species Preserve -- additional information needed.	No commercial harvest of pink or spiny scallop (trawl or dive).
109		Nisqually	Wildlife Area	WDFW	1			N	0	Y		Y		622	Potential Multiple Use Protected Area. WDFW Wildlife Areas are created for the preservation, protection and perpetuation of wildlife; habitat preservation, including migratory bird habitat; maximization of compatible wildlife-associated recreational use (consumptive and non-consumptive). Additional information required.	(Extent of protection provided intertidal area and resources unknown).
110		Additional City or County Parks with intertidal or subtidal area	City or County Park	Local Govt.	?										Potential Multiple Use Protected Areas and/or Marine Recreational Preserves. Additional information required.	(Policy and implementation concerning marine resource collection/harvest unknown).

Appendix B, continued

#		Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
Category: PROPOSED MPAs This category was created for MPAs under consideration for designation.																
111		Northwest Straits	Proposed National Marine Sanctuary	NOAA and Ecology	1		subtidal	Y		Y		N	0		Potential Multiple Use Protected Area.	(Undetermined).
112		Octopus Hole	Proposed No-Take MPA	WDFW	1		subtidal	Y		N	0	N	0		Uncertain at this time - likely for non-consumptive recreational scuba diving.	(Proposed in 1997. Under WDFW consideration. Will go through public review/hearing. See Table 4.5 for location description).
113		Orchard Rocks	Proposed No-Take MPA	WDFW	1		subtidal	Y		N	0	N	0		Uncertain at this time - likely for non-consumptive recreational scuba diving.	(Proposed in 1997. Under WDFW consideration. Will go through public review/hearing. See Table 4.5 for location description).
114		Edmonds Underwater Park — expansion	Proposed	WDFW	1		subtidal	Y		Y		N	0		To make consistent state regs and city ordinance. This proposal would change the legal description of the closed area at Edmonds Underwater Park to encompass 1800 feet of shoreline instead of the 250 feet now closed.	The existing WDFW laws at the site prohibiting take of foodfish or shellfish (WAC 220-56-130; 220-20-025) would apply to the proposed larger area.

Appendix B, continued

#		Site Name or Location	Designation Type	Primary Manag- ing Agency or Org.	# S I T E S	Year of Est.	Predom- inant Compo- -nent	Sub- tidal Y/N	Sub- tidal Acres	Inter- tidal Y/N	Inter- tidal Acres	Up- land Y/N	Upland Acres	Total Acres	Primary Purpose/ Objectives	Fishing Restrictions/Marine Resource Protections (or comment)
115		Olympic Beach	Proposed No-Take MPA	WDFW; City of Edmonds	1		intertidal	?		Y		N	0		To make consistent state regs and city ordinance; to protect park-type value; to ensure diversity of flora and fauna; as a human health precaution due to pollution.	(Proposed in 1997. Under WDFW consider- ation. Will go through public review/hearing. See Table 4.5 for location description).
116		Edmonds City Beach	Proposed No-Take MPA	WDFW; City of Edmonds	1		intertidal	?		Y		N	0		To make consistent state regs and city ordinance; to protect park-type value; to ensure diversity of flora and fauna; as a human health precaution due to pollution.	(Beach north of Edmonds Fishing Pier). (Proposed in 1997. Under WDFW consideration. Will go through public review/ hearing. See Table 4.5 for location description).
117		City of Des Moines Park	Proposed No-Take MPA	WDFW; City of Des Moines	1		intertidal	?		Y		N	0		To make consistent state regs and city ordinance; to protect park-type value; to ensure diversity of flora and fauna; as a human health precaution due to pollution.	(Proposed in 1997. Under WDFW consider- ation. Will go through public review/hearing. See Table 4.5 for location description).
118		South 239th Street Park	Proposed No-Take MPA	WDFW; City of Des Moines	1		intertidal	?		Y		N	0		To make consistent state regs and city ordinance; to protect park-type value; to ensure diversity of flora and fauna; as a human health precaution due to pollution.	(Proposed in 1997. Under WDFW consider- ation. Will go through public review/hearing. See Table 4.5 for location description).

Notes:

- a. These intertidal acreage estimates are based on calculations of public tidelands only (private tidelands excluded). These estimates were calculated by WDFW (Butler, personal communication 1997) and are based on information from the National Wetland Inventory database and WDFW data. For some sites, an estimated subtidal acreage component has been calculated by subtracting from total acres (where known) the upland and intertidal acreage estimates.
- b. Although the seaward boundary of the San Juan Islands NWR is thought to be the line of mean high tide, some intertidal acreage is effectively included. For example, there are 9 acres of reefs included in the Refuge which are said to be awash at high tide.
- c. The approximately 343 intertidal and subtidal acres associated with the Protection Island National Wildlife Refuge are public aquatic lands. The bedlands have been withdrawn by DNR from leasable status with the intent of providing a marine buffer for the resources of the Protection Island National Wildlife Refuge and the Zella M. Schultz Seabird Sanctuary, while the public tidelands have been leased to the USFWS.
- d. The intertidal area associated with these Nature Conservancy (TNC) Preserves is not owned by TNC, but DNR has withdrawn these aquatic lands from conflicting uses.

Key to Abbreviations:

DNR - Washington Department of Natural Resources
Ecology - Washington Department of Ecology
METRO Tacoma - Metropolitan Park District of Tacoma
NAP - Natural Areas Preserve

NRCA - Natural Resources Conservation Area
WSP&RC - Washington State Parks & Recreation Commission
TNC - The Nature Conservancy of Washington
SJPT - San Juan Preservation Trust

USFWS - United States Fish & Wildlife Service
UW FHL - University of WA Friday Harbor Laboratories
WDFW - Washington Department of Fish & Wildlife

Appendix C1. Game Fish

As Classified by the Washington Department of
Fish and Wildlife and Listed in RCW 77.08.020 and WAC 232-12-019

<p>Rock bass (<i>Ambloplites rupestris</i>) Longnose Sucker (<i>Catostomus catostomus</i>) Bridgelip Sucker (<i>Catostomus columbianus</i>) Largescale Sucker (<i>Catostomus macrocheilus</i>) Mountain Sucker (<i>Catostomus platyrhynchus</i>) Lake white fish (<i>Coregonus clupeaformis</i>) Grass Carp (<i>Ctenopharyngodon idella</i>) Northern Pike (<i>Esox lucius</i>) (and hybrids involving genus <i>Esox</i>) Tiger Muskellunge (<i>Esox masquinongy immaculatus</i>) Blue catfish (<i>Ictalurus furcatus</i>) Black bullhead (<i>Ictalurus melas</i>) Yellow bullhead (<i>Ictalurus natalis</i>) Brown bullhead (<i>Ictalurus nebulosus</i>) Channel catfish (<i>Ictalurus punctatus</i>) Green sunfish (<i>Lepomis cyanellus</i>) Pumpkinseed (<i>Lepomis gibbosus</i>) Warmouth (<i>Lepomis gulosus</i>) Bluegill (<i>Lepomis macrochirus</i>) Burbot or fresh water ling (<i>Lota lota</i>) Peamouth Chub (<i>Meilochelilus caurinus</i>) Smallmouth bass (<i>Micropterus dolomieu</i>) Largemouth bass (<i>Micropterus salmoides</i>) Golden trout (<i>Oncorhynchus aquabonita</i>)</p>	<p>Cutthroat trout (<i>Oncorhynchus clarkii</i>) Coho salmon (<i>Oncorhynchus kisutch</i>) (in its landlocked form) Rainbow or steelhead trout (<i>Oncorhynchus mykiss</i>) Kokanee or silver trout (<i>Oncorhynchus nerka</i>) (in its landlocked form) Chinook salmon (<i>Oncorhynchus tshawytscha</i>) (in its landlocked form) Yellow perch (<i>Perca flavescens</i>) White crappie (<i>Pomixis annularis</i>) Black crappie (<i>Pomixis nigromaculatus</i>) Mountain white fish (<i>Prosopium williamsoni</i>) Northern Squawfish (<i>Ptychocheilus oregonensis</i>) Flathead Catfish (<i>Pylodictus olivaris</i>) Atlantic salmon (<i>Salmo salar</i>) (in its landlocked form) Brown trout (<i>Salmo trutta</i>) Bull Trout (<i>Salvelinus confluentus</i>) Eastern brook trout (<i>Salvelinus fontinalis</i>) Dolly Varden trout (<i>Salvelinus malma</i>) Lake trout (<i>Salvelinus namaycush</i>) Walleye (<i>Stizostedion vitreum</i>) Arctic grayling (<i>Thymallus arcticus</i>)</p>
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Appendix C2. Foodfish

As Classified by the WDFW and Listed in WAC 220.12.010

Barracuda

Pacific barracuda (*Sphyræna argentea*)

Cyprinids

Carp (*Cyprinus carpio*)

Cods and hake

Pacific hake or whiting (*Merluccius productus*)
Walleye pollock (*Theragra chalcogrammus*)
Pacific Tomcod (*Microgadus proximus*)
Pacific Cod or true cod (*Gadus macrocephalus*)

Flounder, sole and halibut

Butter sole or Bellingham sole (*Isopsetta isolepis*)
C-O sole (*Pleuronichthys coenosus*)
Dover sole (*Microstomus pacificus*)
English sole (*Parophrys vetulus*)
Flathead sole (*Hippoglossoides elassodon*)
Pacific halibut (*Hippoglossus stenolepis*)
Petrale sole (*Eopsetta jordani*)
Rex sole (*Glyptocephalus zachirus*)
Rock sole (*Lepidopsetta bilineata*)
Pacific sand dab (*Citharichthys sordidus*)
Sand sole (*Psettichthys melanostictus*)
Slender sole (*Lyopsetta exilis*)
Speckled sand dab (*Citharichthys stigmaeus*)
Starry flounder (*Platichthys stellatus*)
Turbot or Arrowtooth flounder (*Atheresthes stomias*)
All other species of sole and flounder (*Pleuronectiformes*)

Greenling

Lingcod (*Ophiodon elongatus*)
Rock greenling (*Hexagrammos superciliosus*)
Kelp greenling (*Hexagrammos decagrammus*)
All other species of greenling (*Hexagrammidae*)

Herring and herring-like fishes

Northern anchovy (*Engraulis mordax*)
Pacific sand lance or candlefish (*Ammodytes hexapterus*)
Pacific herring (*Clupea harengus pallasii*)
Pacific sardine (*Sardinops sagax*)
American shad (*Alosa sapidissima*)

Mackerels, tunas and jacks

Pacific bonito (*Sarda chiliensis*)
Pacific mackerel (*Scomber japonicus*)
Jack mackerel (*Trachurus symmetricus*)
Monterey Spanish mackerel (*Scomberomorus concolor*)
Spanish mackerel (*Scomberomorus maculatus*)
Yellowtail (*Seriola dorsalis*)
Albacore (*Thunnus alalunga*)
Bluefin tuna (*Thunnus thynnus*)
Skipjack tuna (*Euthynnus pelamis*)
Yellowfin tuna (*Thunnus albacares*)
All other species of tunas and mackerels (*Scombridae*)
Pacific pomfret (*Brama japonica*)
Pacific pompano (*Peprilus simillimus*)

Skates

Longnose skate (*Raja rhina*)
Big skate (*Raja binoculata*)
All other species of skates (*Rajidae*)

Rockfish

Bocaccio (*Sebastes paucispinis*)
Black rockfish (*Sebastes melanops*)
Brown rockfish (*Sebastes auriculatus*)
Copper rockfish (*Sebastes caurinus*)
Greenstriped rockfish (*Sebastes elongatus*)
Canary rockfish (*Sebastes pinniger*)
Pacific Ocean perch (*Sebastes alutus*)
Yelloweye or rasphead rockfish (*Sebastes ruberrimus*)
Rosefish or splitnose rockfish (*Sebastes diploproa*)
Silvergray rockfish (*Sebastes brevispinis*)
Quillback rockfish (*Sebastes maliger*)
Yellowtail rockfish (*Sebastes flavidus*)
All other species of rockfish (*Scorpaenidae*)

Salmon

Chinook or King salmon
(*Oncorhynchus tshawytscha*)
(except in its landlocked form)
Chum salmon (*Oncorhynchus keta*)
Pink (*Oncorhynchus gorbuscha*)
Coho or silver (*Oncorhynchus kisutch*)
(except in its landlocked form)
Sockeye (*Oncorhynchus nerka*)
Masu (*Oncorhynchus masu*)

Sculpins

Brown Irish lord (*Hemilepidotus spinosus*)
Buffalo sculpin (*Enophrys bison*)
Cabezon (*Scorpaenichthys marmoratus*)
Great sculpin (*Myoxocephalus polyacanthocephalus*)
Pacific Staghorn sculpin (*Leptocottus armatus*)
Red Irish lord (*Hemilepidotus hemilepidotus*)

Seabass and drums

White seabass (*Cynoscion nobilis*)
All other seabass and drums
(*Sciaenidae* and *Serranidae*)

Sharks

Sixgill shark (*Hexanchus griseus*)
Soupfin shark (*Galeorhinus zyopterus*)
Dogfish or spiny dogfish (*Squalus acanthias*)
All other species of sharks
(*Squaliformes* & *Hexanchiformes*)

Smelts

Eulachon or Columbia River smelt
(*Thaleichthys pacificus*)
Longfin smelt (*Spirinchus dilatus*)
Surf smelt (*Hypomesus pretiosus*)
All other species of smelt (*Osmeridae*)

Appendix C3. Shellfish
As Classified by the Washington Department of Fish and Wildlife and
Listed in WAC 220.12.020

<p>Abalone Red abalone (<i>Haliotis refescens</i>) Pinto abalone (<i>Haliotis kamtschatkana</i>)</p> <p>Mussel Blue mussel (<i>Mytilis edulis</i>) California mussel (<i>Mytilis californianus</i>)</p> <p>Scallops Pacific pink scallop (<i>Chlamys rubida</i>) Rock scallop (<i>Crassadoma gigantea</i>) Spiny scallop (<i>Chlamys hastata</i>) Weathervane scallop (<i>Patinopecten caurinus</i>)</p> <p>Clams Bent nose clam (<i>Macoma secta</i>) All other macoma clams (<i>Macoma</i> spp.) Butter clam (<i>Saxidomus giganteus</i>) Common cockle (<i>Clinocardium nuttalli</i>) Geoduck (<i>Panope abrupta</i>) Horse or Gaper clam (<i>Tresus nuttalli</i>, <i>Tresus capax</i>) Mud or soft shell clam (<i>Mya arenaria</i>) Manila clam (<i>Tapes philippinarum</i>) Piddock (<i>Zirfaea pilsbryi</i>) Razor clam (<i>Siliqua patula</i>) Rock or native little neck clam (<i>Protothaca staminea</i>) All other native clams (<i>Eulamellibranchia</i>)</p> <p>Oysters Eastern oyster (<i>Crassostrea virginica</i>) Olympia or native oyster (<i>Ostrea lurida</i>) Pacific oyster (<i>Crassostrea gigas</i>) Kumamoto oyster (<i>Crassostrea gigas</i> [kumamoto]) European oyster (<i>Ostrea edulis</i>) All other oysters (<i>Ostreidae</i>)</p>	<p>Squid Pacific Coast squid (<i>Loligo opalescens</i>) Nail squid (<i>Onychoteuthis borealijaponica</i>) Flying squid (<i>Ommastrephes bartramai</i>) All other squid (<i>Sepioidea</i> or <i>Teuthoiden</i>)</p> <p>Octopus Octopus (<i>Octopus dolferi</i>)</p> <p>Barnacles Goose barnacle (<i>Pollicipes polymerus</i>)</p> <p>Shrimp Coonstripe shrimp (<i>Pandalus danae</i>) Coonstripe shrimp (<i>Pandalus hypsinotus</i>) Ghost or sand shrimp (<i>Callinassa</i> spp.) Humpy shrimp (<i>Pandalus goniurus</i>) Mud shrimp (<i>Upogebia pugettensis</i>) Ocean pink shrimp (<i>Pandalus jordani</i>) Pink shrimp (<i>Pandalus borealis</i>) Sidestripe shrimp (<i>Pandalopsis dispar</i>) Spot shrimp (<i>Pandalus platyceros</i>)</p> <p>Crab Dungeness or Pacific crab (<i>Cancer magister</i>) Red rock crab (<i>Cancer productus</i>) Tanner crab (<i>Chionoecetes tanneri</i>)</p> <p>Crawfish Crawfish (<i>Pacifastacus</i> sp.)</p> <p>Sea cucumber Sea cucumber (<i>Parastichopus californicus</i>) Sea cucumber (<i>Cucumaria miniata</i>)</p> <p>Sea urchin Green urchin (<i>Strongylocentrotus droebachiensis</i>) Red urchin (<i>Strongylocentrotus franciscanus</i>) Purple urchin (<i>Strongylocentrotus purpuratus</i>)</p>
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Appendix C4. Washington Department of Fish and Wildlife Species Listings, Categories and Terminology

WDFW has statutory authority to classify wildlife species as "protected" (WAC 232-12-011).

Protected species are not to be hunted or fished (WAC 232-12-011). Protected species include those that have been designated as: endangered, threatened, sensitive and other select wildlife species listed at WAC 232-12-011(3). Endangered, threatened and sensitive species are defined as follows:

- **Endangered species** are those wildlife species native to the state of Washington that are seriously threatened with extirpation throughout all or a significant portion of their range within the state. Endangered species are legally designated in WAC 232-12-014. Currently, 24 species have been designated by WDFW as endangered (WAC 232-12-014).
- **Threatened species** are those wildlife species native to the state of Washington that are likely to become an endangered species within the foreseeable future throughout a significant portion of their range within the state without cooperative management or removal of threats. Threatened species are legally designated in WAC 232-12-011, and currently consist of eight species (WAC 232-12-011).
- **Sensitive species** are wildlife species native to the state of Washington that are vulnerable or declining and are likely to become endangered or threatened in a significant portion of their range within the state without cooperative management or removal of threats. Sensitive species are legally designated in WAC 232-12-011, and currently consist of one species (WAC 232-12-011).

WDFW has also maintains a list of "**candidate**" species that will are reviewed for possible listing as endangered, threatened or sensitive species (WDW 1994). There are currently 62 candidate species (WDFW 1996a).

Finally, WDFW lists as "**monitor**" those native Washington species that are of special interest because of special aspects of their natural history (e.g., they were formerly endangered/threatened, require habitat of limited availability, are indicators of environmental quality, etc.) (Penland 1993). There are currently 158 monitor species (WDFW 1996a).

The above-mentioned five state species categories, along with federally-listed endangered, threatened, proposed and candidate species of the state, are referred to collectively as "**species of special concern**" (WDF 1994).

Appendix C4, Continued.

Functioning as something of an overlay to all of the above-mentioned species categories is the WDFW **Priority Habitats and Species (PHS) Program**. Established in 1989, the purposes of this non-regulatory program are to: define, identify, and map the locations of important wildlife habitats and species using specific criteria; and to develop management recommendations for those habitats and species (Penland 1993).

Under the PHS Program, **priority species** are defined as those species requiring protective measures for their perpetuation due to population status, sensitivity to habitat alteration, and/or recreational, commercial or tribal importance (WDFW 1996a). Priority species include those that are state-listed as endangered, threatened, sensitive, candidate; animal aggregations considered vulnerable; and those species of recreational, commercial or tribal importance that are also vulnerable (WDFW 1996a). There are currently 147 species and 14 species groups listed as priority species (WDFW 1996a). **Priority habitats** are those habitat types or elements with unique or significant value to a diverse assemblage of species (WDFW 1996a). There are currently 19 priority habitat types identified (WDFW 1996a).

Appendix C5. Intertidal and Subtidal State Park Areas of Puget Sound

No.	Park Name, Property Name or Tideland Location	Primary Type/ Classification ^a or comment	Acres ^b (if known)	Saltwater Shoreline in linear feet ^b	WSP&RC Tideland Frontage Feet ^c	Marine State Park (# of)	Under- water Park Sites	Arti- ficial Reef Sites
CLALLAM COUNTY								
Designated/Developed State Parks and Marine State Parks:								
1	Sequim Bay State Park	Recreation Area/Marine	91.54	4909.00	4909.00	yes (1)		
			91.54	4,909.00	4,909.00			
Undeveloped State Park Areas:								
2	Clallam Bay	(tidelands; undeveloped)			4020.00			
3	Dungeness	(tidelands; undeveloped)			1943.00			
4	Eagle Point Property	(undeveloped)	52.90	3000.00	0			
5	Hoko River State Park	(tidelands; undeveloped)	580.30	1520.00	1500.00			
6	Hoyt Property	(undeveloped)	36.75	1520.00	0			
			669.95	6,040.00	7,463.00			
ISLAND COUNTY								
Designated/Developed State Parks and Marine State Parks:								
7	Camano Island State Park	Recreation Area	134.35	6700.00	6700.00			
8	Deception Pass State Park Also administers these satellites: (not elsewhere on this list): Deadman's Island S.P. Deception Island Dugualla Bay State Park Hope Island (North) Little Deadman's Island Northwest Island Skagit Island Strawberry Island		4128.29	77000.00	1500.00	yes (4)	yes	
9	Ebey's Landing		45.75	6120.00	6120.00			
10	Fort Casey State Park		411.46	10810.00	15530.00		yes	yes
11	Fort Ebey State Park	Recreation Area	645.00	8000.00	8000.00			
12	Joseph Whidbey State Park	Recreation Area	112.00	3100.00	3100.00			
13	South Whidbey State Park Also administers these satellites: (not elsewhere on this list): Classic "U" Property	Recreation Area	347.00	4500.00	4500.00			
			5,823.85	11,6230.00	45,450.00			
Undeveloped State Park Areas:								
14	Keystone Spit	(undeveloped)	279.80	7330.00				
15	Useless Bay	(undeveloped; tidelands)			6355.00			
			279.80	7,330.00	6,355.00			
JEFFERSON COUNTY								
Designated/Developed State Parks and Marine State Parks:								
16	Dosewallips State Park	Recreation Area	424.50	5500.00	5500.00			
17	Fort Flagler State Park		783.28	19100.00	19100.00	yes (1)		yes

Appendix C5, continued.

No.	Park Name, Property Name or Tideland Location	Primary Type/ Classification ^a or comment	Acres ^b (if known)	Saltwater Shoreline ^b in linear feet	WSP&RC Tideland Frontage ^c Feet	Marine State Park (# of)	Under- water Park Sites	Arti- ficial Reef Sites
18	Fort Worden State Park		433.56	11020.00	11020.00	yes (1)		yes
19	Mystery Bay Marine State Park	Recreation Area/Marine	10.09	685.00	685.00	yes (1)		
20	Old Fort Townsend State Park	Recreation Area/Marine	376.73	3960.00	3960.00	yes (1)		
21	Pleasant Harbor State Park	(tidelands)	0.80	100.00	100.00	yes (1)		
22	Triton Cove State Park	(tidelands)	28.50	592.70	555.00			
			2,057.46	40,957.70	40,920.00			
Undeveloped State Park Areas:								
23	H.J. Carroll Property	(undeveloped; tidelands)	2.80	560.00	560.00			
24	Kinney Point	(undeveloped; tidelands)		4200.00	4200.00			
25	Right Smart Cove	(undeveloped; tidelands)		200.00	200.00			
26	Toandos Tidelands	(undeveloped; tidelands)		10455.00	10455.00			
27	Wolfe Property/Shine Tidelands	(undeveloped; tidelands)	134.60	16092.00	16092.00			
			137.40	31,507.00	31,507.00			
KING COUNTY								
Designated/Developed State Parks and Marine State Parks:								
28	Dash Point State Park	Recreation Area	397.63	3301.00	3251.00			
29	Saltwater State Park	Recreation Area/Marine	87.84	1445.00	1445.00	yes (1)	yes	yes
			485.47	4,746.00	4,696.00			
KITSAP COUNTY								
Designated/Developed State Parks and Marine State Parks:								
30	Blake Island State Park	Marine	475.50	17307.00	17307.00	yes (1)	yes	yes
31	Fay-Bainbridge State Park	Recreation Area/Marine	16.84	1420.00	1420.00	yes (1)		
32	Fort Ward State Park	Recreation Area/Marine	137.13	4300.00	4300.00	yes (1)	yes	
33	Harper State Park	Launch Area	3.03	777.00	776.88			
34	Illahee State Park	Recreation Area/Marine	74.54	1785.00	1784.70	yes (1)		
35	Kitsap Memorial State Park	Recreation Area/Marine	57.63	1797.00	1797.00	yes (1)		
36	Manchester State Park	Recreation Area	111.17	3400.00	3400.00			
37	Old Man House State Park	Heritage Area	1.00	210.00	210.00			
38	Scenic Beach State Park	Recreation Area	88.24	1487.00	1486.70			
			965.08	32,483.00	32,482.28			
MASON COUNTY								
Designated/Developed State Parks and Marine State Parks:								
39	Belfair State Park Also administers these satellites: (not elsewhere on this list): Harvey Rendsland S.P.	Recreation Area	62.46	3720.00	3780.00			
40	Harstine Island State Park		315.00	1600.00	3100.00			
41	Hope Island (South) Marine S.P.	Marine	106.11	8541.00	8540.81	yes (1)		
42	Jarrell Cove State Park	Recreation Area/Marine	42.62	3506.00	3506.22	yes (1)		
43	McMicken Island Marine S. P.	Recreation Area/Marine	11.45	1661.00	1661.00	yes (1)		
44	Potlatch State Park	Recreation Area/Marine	56.95	9570.00	9570.00	yes (1)		

Appendix C5, continued.

No.	Park Name, Property Name or Tideland Location	Primary Type/ Classification ^a or comment	Acres ^b (if known)	Saltwater Shoreline in linear feet ^b	WSP&RC Tideland Frontage Feet ^c	Marine State Park (# of)	Under- water Park Sites	Arti- ficial Reef Sites
45	Squaxin Island State Park	Recreation Area	31.40	2673.00	2673.00			
46	Stretch Point State Park	Recreation Area/Marine	4.20	610.00	610.00	yes (1)		
47	Twanoh State Park	Recreation Area/Marine	182.02	3167.00	3167.00	yes (1)		
			812.21	35,048.00	36,608.03			
<i>Undeveloped State Park Areas:</i>								
48	Lilliwaup Tidelands	(undeveloped; tidelands)		4122.00	4122.00			
				4,122.00	4,122.00			
PIERCE COUNTY								
<i>Designated/Developed State Parks and Marine State Parks:</i>								
49	Cutts Island Marine State Park	Marine	5.50	2100.00		yes (1)	yes	yes
50	Eagle Island Marine State Park	Natural Area/Marine	10.00	2600.00	2600.00	yes (1)		
51	Joemma Beach State Park	Recreation Area/Marine	122.00	3000.00		yes (1)		
52	Kopachuck State Park	Recreation Area/Marine	109.00	5600.00	5600.00	yes (1)	yes	yes
53	Penrose Point State Park	Recreation Area/Marine	152.10	11751.00	11751.00	yes (1)		
			398.60	25,051.00	19,951.00			
<i>Undeveloped State Park Areas:</i>								
54	Haley Property	(undeveloped; tidelands)	177.90	2900.00	1980.00			
			177.90	2,900.00	1,980.00			
SAN JUAN COUNTY								
<i>Designated/Developed State Parks and Marine State Parks:</i>								
55	Blind Island Marine State Park	Natural Area/Marine	3.00	1280.00	1280.00	yes (1)		
56	Clark Island Marine State Park	Natural Area/Marine	55.05	11292.00	11292.00	yes (1)		
57	Doe Island Marine State Park	Natural Area/Marine	6.11	2049.00	2049.00	yes (1)		
58	James Island Marine State Park	Natural Area/Marine	113.65	12335.00	12335.40	yes (1)		
59	Jones Island Marine State Park	Marine	188.09	25000.00	25000.00	yes (1)		
60	Lime Kiln State Park	Recreation Area	39.00	2550.00	2550.00			
61	Matia Island Marine State Park	Natural Area/Marine	145.00	20676.00	680.00	yes (1)		
62	Moran State Park		5175.51	1800.00	1800.00			
63	Patos Island Marine State Park	Natural Area/Marine	207.40	20000.00	20000.00	yes (1)		
64	Posey Island Marine State Park	Recreation Area/Marine	1.00	1000.00	1000.00	yes (1)		
65	Spencer Spit State Park	Recreation Area/Marine	129.60	7840.00	7840.00	yes (1)		
66	Stuart Island Marine State Park	Recreation Area/Marine	86.00	4130.00	4130.00	yes (1)		
67	Sucia Island Marine State Park <i>Also administers these satellites: (not elsewhere on this list):</i> Cemetery Island Gossip Island	Marine	564.08	77700.00	77700.00	yes (1)	yes	yes
68	Turn Island Marine State Park	Recreation Area/Marine	35.15	16000.00	16000.00	yes (1)		
			6,748.60	203,652.00	183,656.40			
<i>Undeveloped State Park Areas:</i>								
69	Skull Island	(undeveloped; tidelands)	1.00	750.00	750.00			

Appendix C5, continued.

No.	Park Name, Property Name or Tideland Location	Primary Type/ Classification ^a or comment	Acres ^b (if known)	Saltwater Shoreline ^b in linear feet	WSP&RC Tideland Frontage Feet ^c	Marine State Park (# of)	Under- water Park Sites	Arti- ficial Reef Sites
70	Mud Bay Tidelands	(undeveloped; tidelands)		11360.00	11360.00			
71	Northwest McConnel Rock	(undeveloped)	2.50	2000.00	2000.00			
72	Olga	(undeveloped; tidelands)	0.20	60.00	60.00			
73	Parks Bay Island	(undeveloped; tidelands)	2.50	2000.00	2000.00			
74	Lopez Island Tidelands	(undeveloped; tidelands)		4332.00	4332.00			
75	Dot Rock	(undeveloped; tidelands)	0.50	500.00	100.00			
76	Freeman Island	(undeveloped; tidelands)	1.00	720.00	720.00			
77	Iceberg Island	(undeveloped; tidelands)	3.40	1380.00	1380.00			
78	Castle Island	(undeveloped; tidelands)	2.00	1100.00	1100.00			
79	Unnamed Island #112	(undeveloped; tidelands)	0.50	500.00	500.00			
80	Unnamed Island #119	(undeveloped; tidelands)	0.30	300.00	300.00			
81	Unnamed Island #3	(undeveloped; tidelands)	3.00	800.00	800.00			
82	Unnamed Island #38	(undeveloped; tidelands)	1.00	1000.00	1000.00			
83	Unnamed Island #40	(undeveloped; tidelands)	1.00	800.00	800.00			
84	Unnamed Island #74	(undeveloped; tidelands)	0.50	500.00	500.00			
85	Unnamed Island #78	(undeveloped; tidelands)			500.00			
86	Unnamed Island #80	(undeveloped; tidelands)	0.50	500.00	500.00			
87	Unnamed Island #81	(undeveloped; tidelands)	0.50	500.00	500.00			
88	Victim Island	(undeveloped; tidelands)	5.00	1700.00	1700.00			
			20.40	30,802.00	30,902.00			
SKAGIT COUNTY								
Designated/Developed State Parks and Marine State Parks:								
89	Bay View State Park	Recreation Area	25.17	1285.00	1285.00			
90	Larrabee State Park ^d		2683.50	8100.00	8100.00			
91	Saddlebag Island Marine S. P.	Recreation Area/Marine	23.70	6750.00	6250.00	yes (1)		
			2,732.37	16,135.00	15,635.00			
Undeveloped State Park Areas:								

92	Burrows Island	(undeveloped; tidelands)	329.50	8670.00	8670.00			
93	Cone Islands	(undeveloped; tidelands)	9.85	2500.00	2500.00			
94	Huckleberry Island	(undeveloped; tidelands)	10.00		2900.00			
			349.35	11,170.00	14,070.00			
SNOHOMISH COUNTY								
Designated/Developed State Parks and Marine State Parks:								
95	Mukilteo State Park	Launch Area	17.56	1495.00	1495.00			
			17.56	1,495.00	1,495.00			
THURSTON COUNTY								
Designated/Developed State Parks and Marine State Parks:								
96	Tolmie State Park	Recreation Area/Marine	106.15	1800.00	1800.00	yes (1)	yes	yes
			106.15	1,800.00	1,800.00			

Appendix C5, continued.

No.	Park Name, Property Name or Tideland Location	Primary Type/ Classification ^a or comment	Acres ^b (if known)	Saltwater Shoreline in linear feet ^b	WSP&RC Tideland Frontage Feet ^c	Marine State Park (# of)	Under- water Park Sites	Arti- ficial Reef Sites
WHATCOM COUNTY								
<i>Designated/Developed State Parks and Marine State Parks:</i>								
97	Birch Bay State Park	Recreation Area	193.21	8255.00	8255.00			
			193.21	8,255.00	8,255.00			
ESTIMATED TOTALS								
Est. No. of Developed/Designated Parks: 60 (excludes some satellite sites)		Est. Acres, Shore & Tideland length (for Designated Parks, where known)	<u>20,432.10</u>	<u>490,761.70</u> 92.9 miles	<u>395,857.71</u> 75.0 miles	<u>41</u>	<u>9</u>	<u>9</u>
Est. No. of Undeveloped Areas: 37		Est. Acres, Shore & Tideland length (for Undeveloped areas, where known)	<u>1,634.80</u>	<u>93,871.00</u> 17.8 miles	<u>96,399.00</u> 18.3 miles			
TOTAL Est. No. of State Park Areas: 97		Est. Acres, Shore & Tideland length (for All Areas, where known)	<u>22,066.90</u>	<u>584,632.70</u> 110.7 miles	<u>492,256.71</u> 93.2 miles	<u>41</u>	<u>9</u>	<u>9</u>
<p>a. This column provides information about the WSP&RC park area or property. There are two primary WSP&RC land classifications and four other types of park areas or park features represented in this column, defined as follows:</p> <p><u>Recreational Area</u>: Suited and/or developed for high-intensity outdoor recreational use, conference, cultural and/or educational centers, or other uses serving large numbers.</p> <p><u>Natural Area</u>: Designated for preservation, restoration, and interpretation of natural processes and/or features of significant ecological, geological or paleontological value while providing for low-intensity outdoor recreation activities as subordinate uses.</p> <p><u>Marine</u>: Denotes a state park that provides facilities for boaters such as moorage space, boat launches and sewage pump-out stations. Many marine parks are accessible only by boat, while others may be reached by land as well.</p> <p><u>Undeveloped</u>: Refers to a State Park area with no public facilities. These areas have usually not been classified (land use classifications) and are generally being held for future WSP&RC development. These areas are excluded from the list and map of MPAs identified in this study.</p> <p><u>Launch Area</u>: Denotes a state park area with a public boat launch.</p> <p><u>Tidelands</u>: Denotes a tideland area that is owned by WSP&RC, has been withdrawn by DNR for WSP&RC, is from a federal patent, is leased by WSP&RC, or is under other ownership. See note (c) below.</p> <p>In addition to the land classification types listed here (Recreation Areas and Natural Areas), there are four other classifications used by WSP&RC: Resource Recreation Areas; Heritage Areas; Natural Forest Areas; and Natural Area Preserves.</p> <p>b. Primary and secondary sources for total acreage and saltwater shoreline length:</p> <p>Primary source: Washington State Parks and Recreation Commission. 1996. 1995-97 Biennium Area Reports: A brief description of areas administered by the Washington State Parks and Recreation Commission. January, 1996. 402 pp.</p> <p>Secondary source: Mueller, M. and T. Mueller. 1993. Washington State Parks: A Complete Recreation Guide. The Mountaineers: Seattle, Washington.</p> <p>Also note that blank entries for acreage or shoreline length indicate a gap in available information.</p> <p>c. As documented in WSP&RC records of tidelands: Tidelands under WSP&RC administration consist of areas that are owned by WSP&RC (approx. 25%), have been withdrawn by DNR for WSP&RC (approx. 47%), are from a federal patent (approx. 6%), are leased by WSP&RC (approx. 6%), or are under other ownership (approx. 16%). For some areas this column is blank, indicating a gap in available information.</p> <p>d. Larrabee State Park has saltwater shoreline and tidelands located in Skagit and Whatcom counties.</p>								

Appendix C6. Facilities Information for Washington Marine State Parks and Boat Moorage in Puget Sound and the San Juan Islands

Column Legend:

- | | |
|---------------------------------|---|
| 1 = Number of moorage buoys | 6 = Sewage pump-out station |
| 2 = Moorage float space footage | 7 = Porta-potty dump station |
| 3 = Accessible by boat only | 8 = Fee Park |
| 4 = Underwater park for divers | 9 = Campsites (primitive) |
| 5 = Boat launch | 10 = Moorage/boat launch floats removed during winter |

#	Park Name	1	2	3	4	5	6	7	8	9	10	#	Park Name	1	2	3	4	5	6	7	8	9	10
1	Blind Island	4		x						x		17	Turn Island	3		x						x	
2	Bowman Bay (Deception Pass S.P.)								x			18	Blake Island	23	1744	x	x		x	x	x	x	
	Sharps Cove	5	128	x				x	x		x	19	Cutts Island	9		x							
3	Clark Island	9		x						x		20	Eagle Island	3		x							
4	Cornet Bay (Deception Pass S.P.)		1140			x	x	x	x			21	Fay Bainbridge	3				x				x	
5	Doe Island		60	x						x	x	22	Fort Flagler	7	244			x		x	x	x	x
6	Hope Island (north) (Deception Pass S.P.)	4		x								23	Fort Ward	2			x	x				x	
7	James Island	5	134	x					x	x		24	Fort Worden	8	128		x	x			x	x	x
8	Jones Island	7	264	x					x	x	x	25	Hope Island (south)	1		x							
9	Matia Island	2	144	x				x	x	x	x	26	Illahee	5	356			x		x	x	x	
10	Patos Island	2		x							x	27	Jarrell Cove	14	682				x	x	x	x	
11	Posey Island			x							x	28	Kitsap Memorial	2									x
12	Saddlebag Island			x							x	29	Kopachuck	2			x						
13	Skagit Island (Deception Pass S.P.)	2		x								30	McMicken Island	5		x							
14	Spencer Spit	16									x	31	Mystery Bay	7	683				x	x	x		
15	Stuart Island			x						x	x	32	Old Fort Townsend	4									
	Reid Harbor	15	621	x	x	x	x	x	x	x	x	33	Penrose Point	8	304				x	x	x		
	Prevost Harbor	7	256							x	x	34	Pleasant Harbor		218				x	x	x		
16	Sucia Island			x						x	x	35	Potlatch	5									
	Echo Bay	14								x	x	36	Saltwater	2			x					x	
	Fox Cove	4								x	x	37	Sequim Bay	6	424			x		x		x	x
	Shallow Bay	8								x	x	38	Stretch Point	5							x		
	Ewing Cove	4			x					x	x	39	Tolmie	5			x			x			
	Snoring Bay	2								x	x	40	Twanoh	7	192			x	x		x	x	
	Fossil Bay	16	778							x	x	41	Joemma Beach	3	500			x				x	x
TOTALS:															265	9000							

Adapted from: Washington State Parks and Recreation Commission 1995. Your guide to Marine Parks and Boat Moorage.

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Sincerest thanks go out to the following people, who made possible this report through generous contributions of information and valuable reviews.

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